Government of Madras.

PUBLIC WORKS DEPARTMENT.

IRRIGATION.
ACCOUNT.

Recd.	1915.	*Enclosures*
Regd.		*Spare copies*

G.O. Nos. 37, 38 I., 20th January 1915.

Grant and outlay on Irrigation Works in the Madras Presidency

Forwarding to the Government of India a copy of the Proceedings reviewing the — for the year 1913–14.

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GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation Account.

READ—the following papers :—

I

To the Accountant-General, dated 3rd November 1914, No. 6742/14 B-1.
From " " 17th " " " W. 15-17309.

II

Note by the Chief Engineer for Irrigation, No. 6742/14 B-2, dated 9th January 1915.

With reference to G.O. No. 141 W., dated 13th January 1883, the accompanying two statements which compare the expenditure incurred on irrigation, navigation and agricultural works during 1913–14, with the budget grant for the year are submitted to Government.

2. Statement A exhibits, by divisions, the grants for, and expenditure on, original works and repairs under the several heads and statement B the total grants and expenditure including establishment, tools and plant, etc. charges for each system under classes I and II and for other classes of irrigation works. The figures representing expenditure have been furnished by the Accountant-General.

3. The total expenditure during the year under review compares with the grants as shown in the subjoined statement :—

Fund head.	Grant for 1913–14. Budget.	Grant for 1913–14. Final.	Expenditure during 1913–14.	Difference between budget grant and expenditure.
Imperial.	RS.	RS.	RS.	RS.
35. Construction of protective irrigation works	5,00,000	3,54,000	3,50,032	− 1,49,968
49. Capital expenditure not charged to Revenue	4,20,000	3,76,000	3,60,533	− 59,467
Divided Head.				
42. Major works (working expenses)	21,14,000	23,90,000	23,77,656	+ 2,63,656
Provincial.				
43. Minor works and navigation	31,94,000	35,00,500	33,95,814	+ 2,01,814
Total ..	62,28,000	66,20,500	64,84,035	+ 2,56,035
Deduct—Class IV (b)—2. Minor works of Revenue Department in charge of civil officers acting as Public Works disbursers.	65,000	34,213	32,151	− 32,849
Net total ..	61,63,000	65,86,287	64,51,884	+ 2,88,884

It will thus be seen that the total budget grant allotted under all the major heads amounted to Rs. 62,28,000. Excluding the allotment made for works in charge of civil officers acting as Public Works disbursers, the net amount sanctioned for expenditure by the Public Works department is Rs. 61,63,000 against which the expenditure incurred was Rs. 64,51,884 which is Rs. 2,88,884 more than the budget grant. There were savings under the heads "35" and "49" which were more than counterbalanced by the excess expenditure under "42" and "43."

4. 35. *Construction of Protective Irrigation works.*—The total expenditure under this head amounted to Rs. 3,50,032 against the budget allotment of Rs. 5,00,000. The lapse of Rs. 1,49,968 occurred as follows:—

	Difference.
	RS.
Rushikulya system	+ 7,568
Mopad project	− 1,54,890
Bhavanasi tank project	+ 2,740
Venkatapuram project	− 6,748
Accounts not kept	+ 1,362
Total	− 1,49,968

The excess under the Rushikulya system is due to the expenditure incurred on the construction of a new drop wall and apron below Padma weir of Surada reservoir which was not anticipated when the budget was prepared. The short expenditure under the Mopad project is attributed to the late formation of the division, late arrival of the plant and machinery and want of efficient contractors. Owing to the sudden death of the contractor of the Venkatapuram project the progress of work was interfered with necessitating the lapse. The other items being very small need no explanation.

5. 49. *Capital expenditure not charged to Revenue.*—The lapse of Rs. 59,467 under this head is made up as follows:—

	RS.
Nagavalli river system	− 32,694
Gōdāvari delta system	− 73,106
Penner river canals system	+ 22,515
Shatiatope anicut system	+ 23,534
Cauvery delta system	− 19,175
Toludur project	+ 28,926
Small variations under other systems	− 9,467
Total ...	− 59,467

The lapse under the Nagavalli system is chiefly due to want of labour and difficulty in procuring piece workers, carts, etc. It is also due to some extent to credits received on account of tramway lines transferred to other works. The short outlay under the Gōdāvari delta system is chiefly accounted for by the fact that the work "reconstructing Vizeshwaram lock" budgeted under this head was sanctioned under "42." The other contributing causes are want of efficient contractors, credit received by the sale of materials and poor progress made on the work "construction of a steam launch to replace steamer "Shamrock." No grant was allotted in the budget for the Penner river canals system and Shatiatope anicut system. But in the course of the year an expenditure of Rs. 22,515 was found unavoidably necessary under the former system to pay compensation for the land liable to submersion in the bed of the Kanigiri reservoir. The expenditure under the Shatiatope anicut system was for finishing certain incomplete works commenced in the previous year. The short outlay under the Cauveri delta system is mainly due to land required for improvements to the Vellapalem Uppanar and Manniar not having been acquired and handed over in time. The sanction to the Toludur project, which was not included in the budget, was received during the year and work commenced with an expenditure of Rs. 28,926.

6. 42. *Major works (working expenses).*—The expenditure exceeded the grant by Rs. 2,63,656, the excess occurring as follows :—

	RS.
Rushikulya system ...	+ 26,471
Gōdāvari delta system	+ 59,801
Kistna delta system	+ 89,696
Divi Pumping system	— 13,611
Kurnool-Cuddapah canal	— 25,332
Cheyar anicut system	+ 32,748
Shatiatope anicut system	+ 11,915
Periyar system	+ 37,813
Small variations under other systems	+ 44,155
Total ..	2,63,656

The excess under Rushikulya system is due to special repairs executed to the Rushikulya and Mahanadi canals on account of flood damages and to certain works carried out with reference to the recommendation of the Chief Engineer for Irrigation. The excess under the Gōdāvari delta system is due to the work " reconstructing the Vizeshvaram lock budgeted under " 49 " having since been sanctioned under this head and to the piping of channels. Under the Kistna delta system larger expenditure was incurred than was anticipated owing to the renewal of certain lock gates and to the fact that on account of the favourable character of the season a good deal of repair work was found possible. The surrender under the Divi Pumping system is chiefly due to the cost of the running of the pumping station having been less than was anticipated. The estimate for this can only be an approximate forecast as it is impossible to foretell the climatic conditions and the flood levels of the river The short outlay under the Kurnool-Cuddapah canal is reported to be due to want of labour, abandonment of certain works originally proposed and to estimates for certain works not having been sanctioned in time The excess over the grant under the Cheyar and Shatiatope anicut systems is due to closing breaches caused by the heavy rains of the year. The payment made to the Travancore Darbar to compensate for the expenditure incurred by them on the clearance and demarcation of the Periyar catchment area and the write back of expenditure ordered in G.O No. 124 I., dated 24th February 1913, caused an excess under the Periyar system. These could not have been foreseen sufficiently early.

7. 43. *Minor Works and Navigation.*—Excluding class IV (*b*)—minor works, Revenue Department—in charge of civil officers acting as Public Works Disbursers, the expenditure under the head amounted to Rs. 33,63,663 against the grant of Rs. 31,29,000. There was thus an excess of Rs. 2,34,663 which occurred as follows :—

—	Budget estimate.	Expenditure.	Difference.
43. MINOR WORKS AND NAVIGATION.	RS.	RS.	RS.
ACCOUNTS KEPT.			
Class II.—			
Capital	3,13,000	2,43,200	— 69,800
Revenue	2,73,000	3,79,832	1,06,832
ACCOUNTS NOT KEPT.			
Classes III and IV excluding Tank Restoration Scheme and Revenue Department works in charge of civil officers acting as Public Works disbursers	14,49,000	13,90,928	— 58,072
Tank Restoration Scheme works	5,92,000	6,24,665	32,665
Class V Agricultural works	5,02,000	7,25,038	2,23,038
Total ..	31,29,000	33,63,663	2,34,663

The lapse of Rs. 69,800 under the Capital accounts is made up as follows :—

	RS.
Kurnool-Cuddppah canal	— 9,115
Siddapur tank project	21,336
Yellanur tank project	— 7,637
Panjapatti reservoir project	— 83,970
Small variations	9,586
Total ...	69,800

In the Kurnool-Cuddapah canal the estimate for improvements to the approach to the calingulah at 61 miles 13 chains for which the grant was intended was under revision and the work could not be started. The excess under the Siddapur project is due to the payment for a portion of the machinery supplied by the India Office which could not be paid in the previous year as anticipated. The saving under the Yellanur tank project is due to the credit given for the realisations by the leasing of the tank-bed land. The large saving on the Panjapatti reservoir project was due to delay in the adjustment of land compensation charges, a large portion of the land being unsurveyed zamindari. The excess expenditure under the Revenue Account was chiefly caused by repairs to flood damages in the following systems :—

Kalingarayan channel.	Pelandorai anicut system.
Palar anicut system.	Buckingham canal.
Ponnalur tank.	Marudur anicut system.
Chembrambakkam tank.	

The lapse of Rs. 58,072 under classes III and IV works was due to scarcity of labour, and an unusual amount of water in tanks. The expenditure on Tank Restoration Scheme works was satisfactory. Under class V. Agricultural, there was an excess of Rs. 2,23,038 which was principally due to the execution of uprooting works found necessary for the Gōdāvari Conservancy operations, and repairing flood damage in the Gōdāvari and Coleroon rivers.

W. M. ELLIS, Col., R.E.,
Chief Engineer for Irrigation.

To the Secretary to Government, Public Works Department,
Irrigation Branch.

Enclosures.

A.—Statement showing by divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during the year 1913–14.

Divisions.	Imperial.									Divided.					
	35. Construction of Protective Irrigation Works.						49. Capital expenditure not charged to Revenue.			42. Major Works (Working Expenses.)					
	Accounts kept.			Accounts not kept.						Extensions and improvements.			Maintenance and repairs.		
	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
	8,211	15,690	15,760	200	200	85	..	..	..	6,000	2,500	2,615	25,329	48,506	49,110
Ganjām ..	..	..	..	..	..	..	52,968	27,353	28,063		..	380	9,760	13,700	13,783
Vizagapatam ..	..	..	..		..	..	69,312	27,762	27,834	6,000	1,02,101	1,02,202	130,000	89,500	88,528
Gōdāvari Eastern ..	..	..		..	..		7,976	6,476	6,604	6,000	9,000	9,039	44,000	53,500	53,408
Do. Conservancy ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Northern ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, I Circle ..	..	..	..	..	..	..	64,000	59,068	59,254	9,000	15,120	16,004	1,79,532	1,64,729	1,66,169
Gōdāvari Western ..	..	..	..	..	..	..	10,694	6,450	6,811	13,500	9,500	9,126	1,35,000	1,79,600	1,79,591
Kistna Eastern ..	..	..	..	..	..	..	9,756	14,636	14,512	..	9,500	10,035	80,325	77,420	77,373
Do. Central ..	..	..	..		..	..	1,712	768	726	16,000	15,495	15,666	80,375	97,305	98,696
Do. Western ..	34,976	39,559	39,840	100	100	95	..	..	..	..	..	..	..	..	..
Guntūr ..	..	..		600	900	761	..	1,239	1,034	7,200	800	757	16,000	13,600	13,643
Cuddapah ..	59,675	55,000	55,019	1,000	800	748	..	..	..	5,000	1,200	1,256	81,892	73,268	74,797
Kurnool ..	..	..	..	100	100	62	..	..	..	..		..	..	..	..
Bellary ..	..	..	..	..	180	166	..	..	..			..	..	..	..
Tank Restoration Scheme division, III Circle ..	..	..	..	230	180	196	..	..	..	..	620	623	4,785	4,865	4,875
Salem ..	..	..	..	..		..	..	..	..		..		..	..	..
Coimbatore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
West Coast ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, IV Circle ..	..	..	..	670	544	549	..	22,284	22,466	6,000	6,000	5,930	54,550	60,291	60,279
Nellore ..	2,94,878	1,79,139	1,79,110	..	..	..	..	..	..	..	..	..	..	..	..
Mopad ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Presidency ..	..	..	..	..	..	..	..	..	..	800	74	74	11,000	13,726	15,202
Trichinopoly ..	..	..	..	1,700	2,600	2,619	28,952	39,870	38,141	12,000	51,726	36,646	93,362	91,750	1,07,107
Madura ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Special ..	..	..	..	120	220	344	16,016	10,486	10,486	2,000	3,200	3,357	8,576	15,076	15,164
Tinnevelly ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, VI Circle ..	..	..	..	..	..	..	3,008	1,791	1,762	7,500	1,800	1,761	22,039	60,862	61,135
North Arcot ..	..	..	..	..		..	..	18,414	18,135	10,000	4,200	3,861	44,664	68,464	69,058
South Arcot ..	..	..	..	..	..	..	..	3,650	4,145			..	..	..	..
Toludur ..	..	..	..	..		..	27,219	14,635	14,451	15,500	24,500	24,262	72,926	72,226	72,241
Cauvery ..	..	..	..	..	..	..	30,424	28,474	28,695	18,000	19,000	18,917	57,000	59,000	59,256
Vennār ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, VII Circle.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rāmnād ..	..	..	..	580	204	..	..	728	..	..	1,708		..	..	..
Reserve ..	..	..	..			..	..								
Total ..	3,97,740	2,89,388	2,89,729	5,300	6,028	5,625	3,22,537	2,84,084	2,83,118	1,40,500	2,78,044	2,62,491	11,51,115	12,57,388	12,79,416
Adjustment of old maintenance charges ..	..	..	..	..	..	..	..	..	..	− 18,870	− 18,870	− 18,870	−1,80,238	−1,80,238	−1,80,238
Net total ..	[illegible],740	2,89,388	2,89,729	5,300	6,028	5,625	3,22,537	2,84,084	2,83,118	1,21,630	2,59,174	2,43,621	9,70,877	10,77,[illegible]	10,99,177

A.—Statement showing by divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Divisions.	Provincial—43. Minor Works and Navigation.														
	Minor Works for which Capital and Revenue accounts are kept.									Minor Works for which neither Capital nor Revenue accounts are kept—(*a*) In charge of Public Works Department.					
	Capital account.			Revenue account.						Original works.			Repairs.		
				Extensions and improvements.			Maintenance and repairs.								
	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjām	3,000	..	172	2,000	2,984	4,435	10,400	12,550	12,783	7,500	1,150	1,142	3,600	2,400	2,483
Vizagapatam	..	..	..	..	..	..	..	..	..	4,600	4,300	4,410	16,920	11,490	11,167
Gōdāvari Eastern	..	..	..	..	..	..	..	..	..	..	..	48	500	500	496
Do. Conservancy	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Northern	..	..	..	..	..	..	..	..	..	20,500	9,800	9,697	15,000	11,500	11,418
Tank Restoration Scheme division, I Circle ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gōdāvari Western	..	..	..	..	..	..	..	..	..	6,000	6,000	6,060	5,000	7,000	6,793
Kistna Eastern	..	..	..	..	..	..	..	..	..	..	..	23	1,000	1,000	993
Do. Central	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Western	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntūr	500	700	747	500	1,100	1,124	10,550	5,800	5,832	17,766	580	— 40	18,396	6,400	6,334
Cuddapah	22,700	25,596	26,005	..	..	..	2,000	1,300	1,312	18,460	14,610	14,827	26,000	18,700	18,850
Kurnool	90,576	57,870	57,923	2,070	168	167	2,000	3,795	3,001	1,200	120	135	8,000	2,540	2,564
Bellary	25,000	17,760	17,826	..	..	..	..	..	..	3,100	2,700	2,459	28,000	49,300	49,282
Tank Restoration Scheme division, III Circle ..	..	..	..	..	..	..	..	..	..	..	300	294	..	2,600	2,623
Salem	..	..	..	..	..	..	..	..	..	12,623	12,123	12,216	30,000	35,000	34,999
Coimbatore	1,000	2,870	2,802	2,500	2,000	1,991	20,500	23,100	23,115	3,000	7,700	7,611	28,000	18,047	18,438
West Coast	..	..	..	..	..	..	..	..	..	12,250	3,525	3,994	8,500	8,500	8,761
Tank Restoration Scheme division, IV Circle ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	4,870	4,256	4,110	..	63	130	..	7,476	7,518	2,500	3,600	3,606	20,000	27,500	27,414
Mopād	..	..	..	..	..	..	..	..	..	..	1,460	1,291	..	..	..
Chingleput	1,800	2,391	2,340	3,500	4,106	4,162	1,24,088	1,56,701	1,57,972	26,000	18,500	18,384	60,000	61,725	61,248
Presidency	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Trichinopoly	85,000	63,750	13,779	500	500	355	1,000	1 400	1,545	20,300	16,311	16,412	42,000	56,800	55,990
Madura	..	..	..	..	..	..	..	..	..	19,000	20,200	19,427	17,000	14,650	14,659
Do. Special	..	1,807	2,184	..	8,093	9,015	..	1,900	1,684	10,000	6,000	6,151	15,000	9,000	9,036
Tinnevelly	..	..	..	1,000	1,500	1,500	6,000	22,000	22,000	18,000	22,500	22,771	35,000	46,494	46,676
Tank Restoration Scheme division, VI Circle ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Arcot	6,640	6,196	6,308	5,000	2,000	1,897	24,504	37,504	37,682	10,000	6,980	7,062	20,000	18,670	18,627
South Arcot	19,000	29,000	29,538	4,000	721	754	14,750	24,529	24,854	20,000	17,400	16,993	60,000	49,800	50,152
Toludur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cauvery	..	..	..	..	..	..	..	..	..	..	..	197	..	..	4
Vennar	..	..	..	..	30	30	7,000	7,000	7,026	1,000	1,200	1,202	4,500	6,500	6,489
Tank Restoration Scheme division, VII Circle..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rāmnād	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Reserve	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2,60,086	2,12,190	1,63,734	21,070	24,165	25,560	2,22,792	3,05,055	3,06,324	2,33,799	1,77,059	1,76,372	4,62,416	4,66,116	4,65,494
Adjustment of old maintenance charges ..	..	..	..	—15,026	—15,026	—15,026	—13,244	—13,244	—13,244	33,896	33,896	33,896	1,93,482	1,93,482	1,93,482
Net total ..	2,60,086	2,12,190	1,63,734	6,044	9,139	10,534	2,09,548	2,91,811	2,93,080	2,67,695	2,10,955	2,10,268	6,55,898	6,59,598	6,58,976

A.—Statement showing by divisions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Divisions.	Provincial 43. Minor Works and Navigation—*cont.*											
	Tank Restoration Works.			Minor Works—Revenue Department.								
	Repairs.			Executed by Public Works Department.						In charge of Civil officers acting as Public Works disbursers.		
				Original works.			Repairs.			Original works.		
	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.
	32	33	34	35	36	37	38	39	40	41	42	43
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjām	..	..	..	..	..	..	..	..	..	..	..	..
Vizagapatam	..	..	..	..	..	18	..	..	..	..	..	..
Gōdāvari Eastern	..	..	..	..	..	..	..	..	..	..	..	..
Do. Conservancy	..	..	..	..	..	..	..	..	..	..	..	..
Do. Northern	..	..	601	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, I Circle	400	600	..	..	..	..	..	..	..	..	..	..
Gōdāvari Western	..	..	..	..	3,700	3,700	..	..	..	..	..	..
Kistna Eastern	..	..	..	..	..	..	..	..	..	..	..	..
Do. Central	..	..	..	..	..	..	..	..	..	..	..	..
Do. Western	..	..	..	..	..	..	..	..	..	..	..	..
Guntūr	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah	40,000	39,300	39,113	..	60	58	3,000	100	103	..	..	..
Kurnool	300	10	9	500	2,800	2,813	3,500	9,250	9,171	..	..	..
Bellary	29,900	18,000	17,993	..	..	..	1,000	6,190	5,951	..	..	..
Tank Restoration Scheme division, III Circle	100	42,100	42,336	..	3,670	3,699	1,000	830	905	..	..	..
Salem	20,000	6,411	6,411	..	..	13	..	..	9	..	..	..
Coimbatore	..	..	..	..	1,300	1,301	5,000	3,200	2,981	..	..	..
West Coast	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, IV Circle	80,000	97,066	96,935	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..
Mopad	..	..	..	..	..	..	..	..	..	3,000	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
Presidency	..	..	..	1,000	50	46	..	..	..	..	..	784
Trichinopoly	..	..	..	..	..	..	..	..	31	..	..	..
Madura	..	..	..	..	..	..	7,000	1,700	1,642	5,250	..	..
Do. Special	..	4,000	4,381	..	..	..	..	..	..	4,270	1,700	1,700
Tinnevelly	2,000	1,550	1,567	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, VI Circle	1,37,600	1,37,600	1,37,666	..	..	..	..	..	364	8,350	2,440	550
North Arcot	21,000	11,700	11,712	..	..	..	..	..	..	..	..	..
South Arcot	..	..	..	..	..	..	2,000	2,754	2,754	3,300	3,300	1,956
Toludur	..	..	..	3,000	2,500	2,301	3,000	2,000	2,171	7,358	5,594	..
Cauvery	..	..	..	..	..	..	..	..	..	..	..	..
Vennār	..	..	..	..	..	..	..	..	..	..	..	..
Tank Restoration Scheme division, VII Circle	1,50,000	1,50,000	1,49,439	..	..	..	..	..	..	..	..	..
Rāmnād	..	..	..	..	..	..	..	..	..	..	..	..
Reserve	..	..	..	..	..	..	..	25,287	..	..	..	..
Total	4,81,300	5,08,337	5,08,163	4,500	14,080	13,949	25,500	51,311	26,082	31,528	13,034	4,990
Adjustment of old maintenance charges	..	..	..	..	..	..	..	..	..	..	..	..
Net total	4,81,300	5,08,337	5,08,163	4,500	14,080	13,949	25,500	51,311	26,082	31,528	13,0[illegible]	4,990

A.—Statement showing by [divi]sions the grant for, and the expenditure incurred on, Original Works and Repairs under Irrigation, Navigation [and] Agricultural Works during the year 1913-14—*cont.*

Divisions.	Provincial—43. Minor Works and Navigation—*cont.*									Grand total.		
	Minor Works—Revenue Department—*cont.* In charge of Civil officers acting as Public Works disbursers—*cont.* Repairs.			Agricultural works. Original works.			Agricultural works. Repairs.					
	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.	Budget grant.	Final grant.	Outlay.
	44	45	46	47	48	49	50	51	52	53	54	55
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjām ..	..	..	..	500	500	410	1,000	2,100	2,094	67,740	88,580	91,089
Vizagapatam ..	..	..	..	..	240	— 38	..	500	507	84,248	57,583	58,290
Godāvari Eastern ..	..	..	..	..	..	..	1,500	676	675	2,07,812	2,20,539	2,19,783
Do. Conservancy ..	..	..	..	18,500	10,677	10,698	1,00,000	1,83,056	1,83,698	1,76,476	2,62,709	2,63,447
Do. Northern ..	..	..	..	..	..	..	..	..	..	35,500	21,300	21,714
Tank Restoration Scheme division, I Circle ..	..	..	..	..	..	..	..	..	..	400	600	..
Godāvari Western ..	..	..	..	..	..	..	..	..	..	2,63,532	2,55,617	2,57,980
Kistna Eastern ..	..	..	..	..	..	..	1,000	3,290	3,482	1,61,194	1,99,840	2,00,026
Do. Central ..	..	..	..	16,600	18,236	18,553	58,325	28,943	28,948	1,65,006	1,48,735	1,49,421
Do. Western ..	..	..	..	..	646	318	..	35,837	35,792	98,087	1,50,051	1,51,197
Guntūr ..	..	..	..	..	..	..	50	50	49	85,838	54,449	54,142
Cuddapah ..	4,500	2,100	2,097	..	..	..	1,600	1,600	1,597	1,43,060	1,31,795	1,31,980
Kurnool ..	2,000	2,856	3,495	..	..	..	..	..	..	2,54,713	2,03,817	2,05,065
Bellary ..	2,530	..		..	..	..	..	..	..	89,630	92,360	92,226
Tank Restoration Scheme division, III Circle ..	..	..	..	..	..	..	..	..	..	100	45,180	45,441
Salem ..	..	..	..	..	..	..	1,050	1,050	928	73,688	64,749	64,530
Coimbatore ..	..	..	..	..	..	..	150	150	127	55,150	53,867	54,084
West Coast ..	..	..	..	..	..	..	..	..	..	20,750	12,025	12,755
Tank Restoration Scheme division, IV Circle ..	..	..	..	..	..	..	..	..	..	80,000	97,066	96,935
Nellore ..	..	..	..	..	30	28	1,000	4,700	4,860	92,590	1,36,744	1,36,890
Mopād ..	..	..	..	..	..	..	..	..	..	2,94,878	1,80,599	1,80,401
Chingleput ..	6,500	6,061	4,184	..	150	147	16,000	11,314	11,046	2,32,888	2,60,998	2,60,313
Presidency ..	..	..	..	..	..	..	..	..	..	..	..	31
Trichinopoly ..	4,500	..	..	10,000	10,000	9,701	20,000	45,000	45,949	2,07,350	2,09,261	1,60,649
Madura ..	880	3,430	3,422	..	..	..	..	..	..	1,77,164	2,25,926	2,23,721
Do. Special ..	..	..	..	..	..	..	..	..	..	25,000	31,700	32,451
Tinnevelly ..	..	..	1,300	..	550	550	7,000	7,000	6,999	1,04,062	1,33,016	1,33,608
Tank Restoration Scheme division, VI Circle ..	..	..	..	..	..	..	..	..	..	1,37,600	1,37,600	1,37,666
North Arcot ..	..	..	1,344	..	..	..	..	..	..	1,24,991	1,53,551	1,54,000
South Arcot ..	4,182	4,182	8,451	1,000	..	32	1,500	1,500	1,760	1,92,454	2,28,304	2,28,060
Toludur ..	..	..	..	..	..	..	..	..	..	..	3,650	4,146
Cauvery ..	..	..	..	12,744	35,683	32,458	1,00,000	1,50,366	1,50,083	2,28,389	2,97,410	2,93,696
Vennār ..	..	..	..	100	750	761	40,000	38,350	38,122	1,58,024	1,60,304	1,60,498
Tank Restoration Scheme division, VII Circle ..	..	..	..	..	..	..	..	..	..	1,50,000	1,50,000	1,49,439
Rāmnād ..	2,550	2,550	2,550	..	..	..	..	..	..	2,550	2,550	2,550
Reserve ..	5,830	..	..	..	..	..	..	..	..	6,410	27,927	..
Total ..	33,472	21,179	26,843	59,444	77,462	73,618	3,44,175	5,15,482	5,16,716	41,97,274	45,00,402	44,28,223
Adjustment of old maintenance charges ..	..	..	..	..	..	..	..	..	..	..	..	..
Net total ..	33,472	21,179	26,843	59,444	77,462	73,618	3,44,175	5,15,482	5,16,716	41,97,274	45,00,402	44,28,223

B.—STATEMENT showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913-14.

Fund head and name of work or system.	Budget grant for 1913-14.							Final grant for 1913-14.			
	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.
1	2	3	4	5	6	7	8	9	10	11	12
IMPERIAL—IRRIGATION.	RS.		RS.	RS.		RS.	RS.	RS.			RS.
35. CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.											
Accounts kept.											
Rushikulya system	8,211	..	1,889	..	..	..	10,100	15,690	..	..	3,374
Mopad project	2,94,878	..	60,922	14,000	..	— 1,300	3,68,500	1,79,139	..	..	32,065
Bhavanasi tank project	34,976	..	7,124		..	..	42,100	39,559	..	..	8,290
Venkatapuram tank project	59,675	..	13,725	600	..	..	74,000	55,000	..	..	11,825
Total, Accounts kept ..	3,97,740	..	83,660	14,600	..	— 1,300	4,94,700	2,89,388	..	..	55,554
Accounts not kept.											
Ganjām	200	..	..	..	..	..	200	200	..	..	..
Guntūr	100	..	..	..	..	..	100	100	..	..	..
Nellore	670	..	..	..	..	..	670	544	..	..	..
Cuddapah	600	..	..	..	..	..	600	900	..	..	..
Kurnool	1,000	..	..	..	..	..	1,000	800	..	..	..
Bellary	100	..	..	..	..	..	100	100	..	..	..
Salem	230	..	..	..	..	..	230	180	..	..	..
Madura	1,700	..	..	..	..	..	1,700	2,600	..	..	..
Tinnevelly	120	..	..	..	..	..	120	220	..	..	..
Tank Restoration Scheme, III Circle	..	..	..	..	..	..	..	180	..	..	..
Reserve	580	..	..	..	..	..	580	204	..	..	..
Total, Accounts not kept ..	5,300	..	..	..	..	..	5,300	6 028	..	..	..
Total "35" ..	4,03,040	..	83,660	14,600	..	— 1,300	5,00,000	2,95,416	..	..	55,554
49. CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.											
Nagavalli river system	52,968	..	11,032	..	..	..	64,000	27,353	..	..	4,806
Gōdāvari delta system	1,41,788	..	32,612	25,000	..	..	1,99,400	93,300	..	..	19,981
Kistna delta system	12,406	..	2,294	..	..	..	14,700	10,098	..	..	2,216
Divi Pumping system	9,756	..	2,244	..	..	..	12,000	11,756	..	..	2,528
Kurnool-Cuddapah canal	..	..	..	..	..	..	..	1,239	..	..	266
Penner river canals system	..	..	..	..	..	..	..	22,284	..	..	23
Poiney anicut system	..	..	..	..	..	..	..	1,500	..	..	323
Cheyar anicut system	3,008	..	692	..	..	..	3,700	291	..	..	63
Shatiatope anicut system	..	..	..	..	..	..	..	20,025	..	..	4,305
Lower Coleroon anicut system	976	..	221	..	..	..	1,200	— 531	..	..	— 114
Cauvery delta system	56,667	..	13,033	..	..	..	69,700	42,020	..	..	9,036
Periyar system	28,952	..	6,648	..	..	..	35,600	39,870	..	..	8,561
Srīvaikuntam anicut system	16,016	..	3,684	..	..	..	19,700	10 486	..	..	2,254
Tirukkōyilūr anicut system	..	..	..	..	..	..	..	..	..	..	..
Toludur project	..	..	..	..	..	..	..	3,650	..	..	784
Reserve	..	..	..	..	..	..	..	728	..	..	156
Total "49" ..	3,22,537	..	72,463	25,000	..	..	4,20,000	2,84,084	..	..	55,188

B.—Statement showi[ng] by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913-14—*cont.*

Fund head and name of work or system.	Final grant for 1913-14—*cont.* Refunds of revenue.	Less receipts on capital account.	Total.	Expenditure incurred in 1913-14. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less expenditure in England.	Less receipts on Capital account.	Total.
	13	14	15	16	17	18	19	20	21	22	23
IMPERIAL—IRRIGATION.	RS.	RS.	RS.	RS.			RS.	RS.		RS.	RS.
35. CONSTRUCTION OF PROTECTIVE IRRIGATION WORKS.											
Accounts kept.											
Rushikulya system	..	..	19,084	15,760	..	..	2,028	..	..	120	17,668
Mopad project	4,300	— 1,870	2,13,634	1,79,110	..	..	31,707	5,045	..	2,252	2,13,610
Bhavanasi tank project	..	..	47,849	39,840	..	..	5,037	..	..	37	44,840
Venkatapuram tank project	600	..	67,425	55,019	..	..	11,687	546	..	..	67,252
Total, Accounts kept ..	4,900	— 1,870	3,47,972	2,89,729	..	..	50,459	5,591	..	2,409	3,43,370
Accounts not kept.											
Ganjam	..	..	200	85	..	..	18	..	..	..	103
Guntūr	..	..	100	95	..	..	1	..	..	..	96
Nellore	..	..	544	549	..	..	4	..	..	..	553
Cuddapah	..	..	900	761	..	..	164	..	..	..	925
Kurnool	..	..	800	748	..	..	161	..	..	..	909
Bellary	..	..	100	62	..	..	..	..	..	..	62
Salem	..	..	180	196	..	..	41	..	..	..	237
Madura	..	..	2,600	2,619	..	..	551	..	..	..	3,170
Tinnevelly	..	..	220	344	..	..	61	..	..	..	405
Tank Restoration Scheme, III Circle	..	..	180	166	..	..	36	..	..	..	202
Reserve	..	..	204	..	..	..	..	..	..	..	..
Total, Accounts not kept ..	..	..	6,028	5,625	..	..	1,037	..	..	..	6,662
Total "35" ..	4,900	— 1,870	3,54,000	2,95,354	..	..	51,496	5,591	..	2,409	3,50,032
49. CAPITAL EXPENDITURE NOT CHARGED TO REVENUE.											
Nagavalli river system	..	..	32,159	28,063	..	..	5,559	— 2,313	..	3	31,306
Gōdāvari delta system	20,094	..	1,33,381	93,692	..	..	18,583	14,019	..	..	1,26,294
Kistna delta system	..	..	12,314	10,436	..	..	1,862	..	..	..	12,298
Divi pumping system	— 6,932	..	7,352	11,612	..	..	2,315	— 8,145	..	..	5,782
Kurnool-Cuddapah canal	..	..	1,505	1,034	..	..	171	..	..	..	1,205
Penner river canals system	..	..	22,307	22,466	..	..	49	..	..	..	22,515
Poiney anicut system	..	..	1,823	1,507	..	..	324	..	..	..	1,831
Cheyar anicut system	..	..	354	255	..	..	55	..	..	..	310
Shatiatope anicut system	..	..	24,330	19,794	..	..	3,740	..	..	..	23,534
Lower Coleroon anicut system	..	..	— 615	— 741	..	..	— 243	..	..	..	— 984
Cauvery delta system	..	..	51,065	42,260	..	..	8,265	..	..	..	50,525
Periyar system	..	..	48,431	38,141	..	..	6,128	21	..	..	44,290
Srivaikuntam anicut system	..	..	12,740	10,486	..	..	2,254	..	..	..	12,740
Tirukkōyilūr anicut system	..	..	..	— 32	..	..	— 7	..	..	..	— 39
Toludur project	23,566	..	28,000	4,145	..	..	502	24,279	..	..	28,926
Reserve	..	..	884	..	..	..	..	..	..	..	..
Total "49" ..	36,728	..	3,76,000	2,83,118	..	..	49,557	27,861	..	3	3,60,533

B.—Statement showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Fund head and name of work or system.	Budget grant for 1913–14. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on capital account.	Total.	Final grant for 1913–14. Original works.	Repairs.	Establishment.	Tools and plant.
1	2	3	4	5	6	7	8	9	10	11	12
DIVIDED HEAD.	RS.	RS.	RS.	RS.	RS.		RS.	RS.	RS.	RS.	RS.
MAJOR WORKS (WORKING EXPENSES).											
Protective.											
Rushikulya system	6,000	99,869	7,171	500	..	..	39,000	2,500	48,506	11,169	2,800
Productive											
Nagavalli river system	..	9,760	4,240	..	..	..	14,000	..	13,700	5,014	..
Godavari delta system	21,000	3,53,632	3,12,068	65,000	400	..	7,52,000	1,26,221	3,07,729	3,22,048	55,433
Kistna delta system	29,500	2,35,375	2,72,475	81,350	300	..	6,19,000	34,495	3,04,425	2,86,410	80,469
Divi pumping system	— 49	48,194	17,037	5,818	..	..	71,000	— 49	37,769	14,434	4,818
Kurnool-Cuddapah canal	12,200	97,892	43,308	3,500	100	..	1,57,000	2,000	86,868	37,920	2,800
Penner river canals system	2,091	28,866	37,665	438	..	..	69,000	2,091	34,547	38,667	1,038
Baror tank	..	4,785	2,215		..	..	7,000	620	4,865	2,330	..
Poiney anicut system	— 557	9,798	5,808	— 47	..	..	15,000	— 1,757	17,296	7,093	— 47
Cheyar anicut system	2,434	11,537	6,077	— 48	..	..	20,000	— 2,066	42,860	11,738	— 48
Tirukkōyilūr anicut system	1,028	8,845	5,201	— 74	..	..	15,000	1,028	4,845	4,266	— 74
Shatiatope anicut system	1,936	10,616	8,473	— 25	..	..	21,000	1,136	22,416	10,744	— 25
Lower Coleroon anicut system	3,072	25,810	21,226	— 109	..	..	50,000	— 1,927	39,310	22,837	— 109
Cauvery delta system	33,800	25,292	68,411	— 503	..	..	1,27,000	43,074	31,818	71,402	155
Periyar system	7,526	71,940	40,922	2,612	..	..	1,23,000	47,252	70,328	45,415	2,412
Srivaikuntam anicut system	1,648	3,368	10,062	— 78	..	..	15,000	2,848	9,868	11,680	— 78
Reserve	..	..	..	..	..	..	..	1,708	..	365	..
Total "42" ..	1,21,630	9,70,877	8,62,359	1,58,334	800	..	21,14,000	2,59,174	10,77,150	9,03,532	1,49,544
PROVINCIAL.											
43. MINOR WORKS AND NAVIGATION.											
Class II.—Minor Works for which Capital and Revenue Accounts are kept.											
Capital Account.											
Ganjam minor rivers system	3,000	..	645	..	..	..	3,645	..	..	..	..
Muniyeru project	..	..	..	..	..	..	..	..	..	..	..
Atmakur tank	..	..	..	..	..	..	..	..	..	..	..
Jangamaheswarapuram tank	..	..	..	..	..	..	..	..	..	..	..
Peddanaidu tank of Chinnarowpalem	500	..	108	..	..	..	608	700	..	161	..
Dondapad tank	..	..	..	..	..	..	..	..	..	..	..
Yerur tank	..	..	..	..	..	..	..	173	..	37	..
Hajipuram tank project	1,755	..	201	..	..	..	1,956	968	..	32	..
Anamasamudram-Biraperu tank project	3,115	..	670	..	..	..	3,785	3,115	..	670	..
Ponnalur tank project	..	..	..	..	..	..	..	..	..	..	..
Kurnool-Cuddapah canal	12,900	..	2,773	..	..	..	15,673	5,420	..	1,111	..
Cumbum tank	..	..	..	..	..	..	..	..	..	..	..
Kocheruvu tank	20,376	..	4,132	..	..	..	24,508	18,150	..	8[illegible]	900
Siddapur project	60,000	..	12,900	..	..	..	72,900	36,000	..	7,[illegible]	53,400

B.—Statement show[ing] by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Fund head and name of work or system.	Final grant for 1913–14—*cont.*			Expenditure incurred in 1913–14.							Total.
	Refunds of revenue.	Less receipts on Capital account.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less expenditure in England.	Less receipts on Capital account.	
	13	14	15	16	17	18	19	20	21	22	23
DIVIDED HEAD.	RS.		RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.
42. MAJOR WORKS (WORKING EXPENSES).											
Protective.											
Rushikulya system	..	..	64,975	2,615	49,110	10,766	2,980	..	..	..	65,471
Productive.											
Nagavalli river system	..	..	18,714	380	13,783	5,403	35	..	..	..	19,601
Gōdāvari delta system	400	..	8,11,831	1,27,245	3,08,105	3,20,863	55,512	76	..	..	8,11,801
Kistna delta system	100	..	7,05,899	34,630	3,05,812	2,87,005	80,973	276	..	..	7,08,696
Divi Pumping system	..	..	56,972	148	37,717	14,576	4,948	..	..	..	57,389
Kurnool-Cuddapah canal	100	..	1,29,688	2,013	88,440	38,140	2,815	260	..	..	1,31,668
Penner river canals system	..	..	76,343	2,021	34,535	38,579	1,020	106	..	..	76,261
Barur tank	..	..	7,815	623	4,875	2,266	..	..	..	..	7,764
Poiney anicut system	..	..	22,585	— 1,756	17,404	6,462	— 47	..	..	..	22,063
Cheyyar anicut system	..	..	52,484	— 2,106	43,025	11,877	— 48	..	..	..	52,748
Tirukkōyilūr anicut system	..	..	10,065	1,023	5,119	3,944	— 74	..	..	..	10,012
Shatiatope anicut system	..	..	34,271	1,172	22,268	9,484	— 25	16	..	..	32,915
Lower Coleroon anicut system	..	..	60,111	— 2,393	40 079	21,471	— 109	14	..	..	59,062
Cauvery delta system	..	..	1,46,449	42,849	33,264	61,998	—1,345	175	..	..	1,36,941
Periyar system	..	..	1,65,407	32,172	85,685	40,536	2,359	61	..	..	1,60,813
Srivaikuntam anicut system	..	..	24,318	2,985	9,956	11,567	— 57	..	..	..	24,451
Reserve	..	..	2,073	..	..	..	..	..	..	..	..
Total, "42" ..	600	..	23,90,000	2,43,621	10,99,177	8,84,937	1,48,937	984	..	..	23,77,656
PROVINCIAL.											
43. MINOR WORKS AND NAVIGATION.											
Class II.—Minor Works for which Capital and Revenue Accounts are kept.											
Capital Account.											
Ganjām minor rivers system	..	..	..	172	..	37	..	..	..	..	209
Muniyeru project	..	..	..	..	..	..	..	..	..	..	..
Atmakur tank	..	..	..	..	..	..	..	..	..	..	..
Jangamaheswarapuram tank	..	..	..	..	..	..	..	..	..	..	..
Peddanaidu tank of Chinnarowpalem	..	..	851	747	..	135	..	..	..	..	882
Dondapad tank	..	..	..	..	..	..	..	..	..	..	..
Yerur tank	..	..	210	173	..	37	..	..	..	..	210
Hajipuram tank project	..	..	1,000	822	..	32	..	..	..	..	854
Anamasamudram-Biraperu tank project	..	..	3,785	3,115	..	670	..	..	..	..	3,785
Ponnalur tank project	..	..	..	..	..	..	..	..	..	..	..
Kurnool-Cuddapah canal	..	..	6,531	5,436	..	1,122	..	..	..	..	6,558
Cumbum tank	..	..	..	..	..	..	..	..	..	..	..
Kocheruvu tank	..	..	22,704	18,164	..	3,881	986	..	1	..	23,030
Siddapur project	..	..	97,141	36,083	..	7,653	50,550	..	..	..	94,236

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B.—Statement showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Fund head and name of work or system.	Budget grant for 1913–14. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.	Final grant for 1913–14. Original works.	Repairs.	Establishment.	Tools and plant.
1	2	3	4	5	6	7	8	9	10	11	12
	RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.
PROVINCIAL—*cont.*											
43. Minor Works and Navigation—*cont.*											
Class .—Minor orks for which Capital and Revenue Accounts are kept—cont.											
(Capital Account—*cont.*											
Markapur tank ..	..	..	..	..	..	..	..	..	..	..	..
Yellanur tank ..	25,000	..	5,375	..	..	..	30,375	17,760	..	3,818	..
Sagileru system ..	..	..	..	..	..	..	..	..	..	..	..
Nagavaram anicut and supply channel ..	20,000	..	4,300	..	..	..	24,300	23,896	..	5,137	..
Barur tank ..	..	..	..	..	..	..	..	..	..	..	..
Thaddapalli channel ..	..	..	..	..	..	..	..	250	..	54	..
Arkenkotta channel ..	..	..	..	..	..	..	..	..	..	..	..
Kalingarayan channel ..	1,000	..	215	..	..	..	1,215	2,620	..	563	..
Palar anicut system ..	6,640	..	1,428	..	..	..	8,068	6,190	..	1,331	..
Chembrambakkam tank ..	..	..	..	..	..	..	..	..	..	..	..
Madras water-supply and Irrigation system ..	..	..	..	..	..	..	..	681	..	146	..
Vallur anicut system ..	..	..	..	..	..	..	..	..	..	..	..
Mehamathur anicut system ..	..	..	..	..	..	..	..	..	..	..	..
Vriddhachalam anicut system ..	..	..	..	..	..	..	..	..	..	..	..
Pelandorai anicut system ..	19,000	..	4,085	..	..	..	23,085	29,000	..	430	..
Nandyar channel system ..	..	..	..	..	..	..	..	..	..	..	..
Panjapatti reservoir project ..	85,000	..	15,695	..	..	..	1,00,695	63,750	..	11,126	..
Marudur anicut system ..	..	..	..	..	..	..	..	..	..	..	..
Berijam project ..	..	..	..	..	..	..	..	1,807	..	389	..
Chilka lake canal ..	..	..	..	..	..	..	..	..	..	..	..
Ganjam-Gopalpur canal ..	..	..	..	..	..	..	..	..	..	..	..
Buckingham canal ..	1,800	..	387	..	..	..	2,187	1,710	..	368	..
Vedaranniyam canal ..	..	..	..	..	..	..	..	..	..	..	..
Total Capital Account ..	2,60,086	..	52,914	..	..	..	3,13,000	2,12,190	..	36,758	54,300
Revenue Account.											
Ganjam minor rivers system ..	2,000	10,000	2,620	..	..	..	14,620	2,984	12,000	3,050	..
Muniyeru project ..	500	4,000	992	20	..	..	5,512	1,100	4,400	1,207	570
Atmakur tank ..	..	1,000	215	..	..	..	1,215	..	1,000	215	..
Jangamaheswarapuram tank ..	..	5,500	1,182	..	..	..	6,682	..	150	32	..
Peddanaidu tank of Chinnarowpalem ..	..	..	100	..	..	..	100	..	200	143	..
Dondapad tank ..	..	50	23	..	..	..	73	..	50	23	..
Yerur tank ..	..	..	..	..	..	..	..	..	58	12	..
Hajipuram tank project ..	..	..	..	..	..	..	..	63	..	14	..
Anamasamudram-Biraperu tank project ..	..	..	..	..	..	..	..	..	..	..	..
Ponnalur tank project ..	..	..	..	..	..	..	..	..	..	..	..
Kurnool-Cuddapah canal ..	..	..	..	..	..	..	..	..	7,418	1,596	..
Cumbum tank ..	500	207	152	— 12	..	..	847	128	1,372	322	— 12

B.—Statement showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913–14—*cont.*

Fund head and name of work or system.	Final grant for 1913–14—*cont.*			Expenditure incurred in 1913–14.							
	Refunds of revenue.	Less receipts on Capital account.	Total.	Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less expenditure in England.	Less receipts on Capital accounts.	Total.
	13	14	15	16	17	18	19	20	21	22	23
PROVINCIAL—*cont.*											
43. MINOR WORKS AND NAVIGATION—*cont.*			RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.
Class II.—Minor Works for which Capital and Revenue Accounts are kept—cont.											
Capital Account—*cont.*											
Markapur tank	..	..	..	..	..	..	..	..	..	..	..
Yellanur tank	..	..	21,578	17,826	..	4,912	..	..	..	..	22,738
Sagileru system	..	..	..	..	..	..	..	..	..	..	..
Nagavaram aniout and supply channel	..	..	29,023	24,295	..	4,420	..	..	..	..	28,716
Barur tank	..	..	..	..	..	..	..	..	..	..	..
Thaddapalli channel	..	..	304	225	..	49	..	..	..	..	274
Arkenkotta channel	..	..	..	..	..	..	..	..	..	..	..
Kalingaroyen channel	..	..	3,183	2,577	..	553	..	..	..	..	3,130
Pālār aniout system	..	..	7,521	6,308	..	1,356	..	..	..	..	7,664
Chembrambakkam tank	..	..	..	..	..	..	..	..	..	..	..
Madras water-supply and Irrigation system	..	..	827	612	..	131	..	..	..	..	743
Vallur aniout system	..	..	..	..	..	..	..	..	..	..	..
Mehamathur aniout system	..	..	..	..	..	..	..	..	..	..	..
Vriddhachalam aniout system	..	..	..	4	..	1	..	..	..	..	5
Pelandorai aniout system	..	..	29,430	29,534	..	117	..	..	..	..	29,651
Nandyar channel system	..	..	..	..	..	..	..	..	..	..	..
Panjapatti reservoir project	..	..	74,876	13,779	..	2,946	..	..	..	..	16,725
Marudur aniout system	..	..	..	..	..	..	..	..	..	..	..
Berijam project	..	..	2,196	2,184	..	384	..	..	..	..	2,568
Chilka lake canal	..	..	..	..	..	..	..	..	..	..	..
Ganjām-Gopalpur canal	..	..	..	..	..	..	..	..	..	..	..
Buckingham canal	..	..	2,078	1,728	..	372	..	..	877	..	1,223
Vēdāranniyam canal	..	..	..	..	..	..	..	..	..	..	..
Total Capital Account	..	..	3,03,248	1,63,734	..	28,808	51,536	..	878	..	2,43,200
Revenue Account.											
Ganjām minor rivers system	..	..	18,034	4,435	12,219	2,830	..	..	..	..	19,484
Muniyeru project	..	..	7,277	1,124	4,464	1,289	518	45	..	..	7,440
Atmakur tank	..	..	1,215	..	1,001	172	..	..	..	..	1,173
Jangamaheswarapuram tank	..	..	182	..	120	25	..	..	..	..	145
Peddanaidu tank of Chinnarowpalem	..	..	343	..	197	42	..	..	..	..	239
Dondapad tank	..	..	73	..	50	11	..	..	..	..	61
Yerur tank	..	..	70	..	58	12	..	..	..	..	70
Hajipuram tank project	..	..	77	130	..	96	..	..	..	..	226
Anamasamudram-Birapern tank project	..	..	..	..	..	..	..	..	..	..	..
Ponnalur tank project	..	..	9,014	..	7,460	1,618	..	..	..	..	9,078
Kurnool-Cuddapah canal	..	..	..	..	..	..	..	..	..	..	..
Cumbum tank	..	..	1,810	127	578	161	—12	..	..	..	844

B.—Statement showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913-14—*cont.*

Fund head and name of work or system.	Budget grant for 1913-14. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less receipts on Capital account.	Total.	Final grant for 1913-14. Original works.	Repairs.	Establishment.	Tools and plant.
1	2	3	4	5	6	7	8	9	10	11	12
PROVINCIAL—*cont.*	RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.
43. MINOR WORKS AND NAVIGATION—*cont.*											
Class II.—Minor Works for which Capital and Revenue Accounts are kept—cont.											
Revenue Account—*cont.*											
Kooheruvu tank	..	..	..	..	..	..	..	..	..	..	..
Siddapur project	..		..	..	..	..	..	..	..	..	..
Markapur tank	1,570	1,000	552	..	..	..	3,122	40	1,630	358	..
Yellanur tank	.	..	..	..	..	..	..	..	..	..	..
Sagileru system	..	2,000	435	..	..	..	2,435	..	1,300	285	..
Nagavaram anicut and supply channel	..	..	..	..	..	..	.	..	..	..	..
Barur tank	..	..	..	..	..	..	..	..	..	..	..
Thadapalli channel	— 3,569	10,000	1,533	— 54	..	..	7,910	— 3,069	8,800	1,381	— 54
Arkenkotta channel	— 293	2,900	571	— 13	..	..	3,165	— 493	2,400	420	— 13
Kalingaroyen channel	— 1,992	7,500	1,384	— 60	..	..	6,832	— 2,792	11,800	2,136	— 60
Pâlar anicut system	6,322	39,595	10,142	— 4	..	..	56,055	3,822	48,595	11,539	— 4
Chembrambakkam tank	— 1,283	1,903	138	— 109	..	..	649	— 1,798	13,525	2,526	— 109
Madras water-supply and Irrigation system	— 3,600	5,800	2,810	— 10	..	..	5,000	— 2,269	7,954	3,560	— 10
Vallur anicut system	— 226	— 577	— 168	— 19	..	..	— 990	— 226	— 702	— 195	— 19
Mehamathur anicut system	874	1,490	518	— 10	.	..	2,872	— 105	1,690	351	— 10
Vriddhachalam anicut	1,000	5,000	1,300	..	..	..	7,300	200	5,679	1,274	..
Pelandorai anicut system	1,941	7,692	2,091	— 2	..	..	11,722	441	16,592	3,683	— 2
Nandyar channel system	500	1,000	343	..	..	..	1,843	500	1,400	429	..
Panjapatti reservoir project	..	..	..	..	..	..	..	..	..	..	..
Marudur anicut system	800	1,500	530	— 71	..	..	2,759	1,300	17,600	4,077	— 71
Berijam project	..	..	..	..	..	..	..	8,993	1,900	2,341	..
Chilka lake canal	.	200	53	..	..	..	253	..	350	86	..
Ganjam-Gopalpur canal	..	200	49	..	..	..	249	.	200	49	..
Buckingham canal	1,000	91,588	27,852	500	..	..	1,23,940	290	1,17,550	32,635	1,310
Vedâranniyam canal	..	7,000	1,635	200	..	..	8,835	30	7,000	1,641	200
Total, Revenue Account	6,044	2,09,548	57,052	356	..	..	2,73,000	9,159	2,91,811	75,190	1,716
Classes III and IV.—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept.											
(a) In charge of Public Works Department—											
Old maintenance charges	33,896	1,93,482	3,21,097	2,980	..	..	5,51,455	33,896	1,93,482	3,21,097	2,980
Ordinary works	2,33,799	4,82,416	1,52,986	11,444	..	..	8,80,645	1,77,059	4,66,116	1,39,887	12,066
Tank Restoration works	..	4,81,300	1,03,480	7,220	..	..	5,92,000	..	5,08,337	1,09,293	7,626
(b) In charge of Revenue Department—											
Executed by Public Works officers	4,500	25,500	6,450	450	..	.	36,900	14,080	51,311	8,457	592
In charge of Civil officers acting as Public Works disbursers	31,528	33,472	..	..		..	65,000	13,034	21,179	..	..
Total	3,03,723	11,96,170	5,84,013	22,094	..	..	21,06,000	2,38,069	12,40,425	5,78,734	23,264
Class V, Agricultur[illegible]rks	59,444	3,44,175	91,703	6,678	..	..	5,02,000	77,462	5,15,482	1,83[illegible]	12,652
Total, Pro[illegible]ncial	6,29,297	17,49,893	7,85,682	29,128	..	..	31,94,000	5,36,860	20,47,718	8,23,990	91,932

B.—Statement showing by systems the grant for, and the expenditure incurred on, Irrigation, Navigation and Agricultural Works during the year 1913-14—*cont.*

Fund head and name of work or system.	Final grant for 1913-14—*cont.* Refunds of revenue.	Less receipts on Capital account.	Total.	Expenditure incurred in 1913-14. Original works.	Repairs.	Establishment.	Tools and plant.	Refunds of revenue.	Less expenditure in England.	Less receipts on Capital account.	Total.
	13	14	15	16	17	18	19	20	21	22	23
PROVINCIAL—*cont.*			RS.	RS.	RS.	RS.	RS.	RS.	RS.		RS.
43. MINOR WORKS AND NAVIGATION—*cont.*											
Class II.—Minor Works for which Capital and Revenue Accounts are kept—cont.											
Revenue Account—*cont.*											
Kocheruvu tank ..											
Siddapur project ..	..	..	..	..	..	..	..	..	..	..	..
Markapur tank ..	..	..	..	..	..	..	..	..	..	..	..
Yellanur tank ..	..	..	2,028	40	1,630	359	..	..	..	..	2,029
Sagileru system ..	..	..	..	..	..	..	..	..	..	..	..
Nagavaram anicut and supply channel ..	..	..	1,585	..	1,312	252	..	..	..	..	1,564
Barur tank ..	..	..	..	..	..	..	..	..	..	..	..
Thadapalli channel ..	..	..	..	..	..	..	..	..	..	..	..
Arkenkotta channel ..	..	..	7,058	— 3,057	8,812	1,467	— 45	..	..	..	7,177
Kalingaroyen channel ..	..	..	2,314	— 485	2,388	422	— 12	..	..	..	2,313
Palar anicut system ..	..	..	11,084	— 2,821	11,815	2,214	— 60	118	..	..	11,266
Chembrambakkam tank ..	..	..	63,952	3,779	48,596	11,402	— 4	..	..	..	63,773
Madras water-supply and Irrigation system ..	..	..	14,144	— 1,800	14,047	2,616	— 109	44	..	..	14,798
Vallur anicut system ..	..	..	9,235	— 2,270	7,689	3,433	— 10	35	..	..	8,877
Mohamathur anicut system ..	..	..	— 1,142	— 226	— 661	— 214	— 19	..	..	..	— 1,120
Vriddhachalam anicut ..	..	..	1,926	— 105	1,843	374	— 10	..	..	..	2,102
Pelandorai anicut system ..	..	..	7,153	187	5,727	1,286	..	..	..	..	7,200
Nandyar channel system ..	..	..	20,714	487	16,716	3,754	— 2	..	..	..	20,955
Panjapatti reservoir project ..	..	..	2,329	355	1,546	458	..	..	..	..	2,358
Marudur anicut system ..	..	..	..	..	..	..	..	..	..	..	..
Berijam project ..	..	..	22,806	1,300	17,500	4,008	— 71	135	..	..	22,872
Chilka lake canal ..	..	..	13,234	9,015	1,684	2,153	2	..	..	..	12,854
Ganjam-Gopalpur canal ..	..	..	436	..	407	80	..	..	..	..	487
Buckingham canal ..	..	..	249	..	157	36	..	..	..	..	193
Vedāranniyam canal ..	..	..	1,51,785	289	1,18,700	31,658	1,372	479	..	..	1,52,498
	..	..	8,871	30	7,026	1,638	182	..	..	..	8,876
Total ..	..	..	3 77,856	10,534	2,93,080	73,642	1 720	856	.	..	3,79,832
Classes III and IV.—Minor Works and Navigation for which neither Capital nor Revenue Accounts are kept.											
(a) In charge of Public Works Department—											
Old maintenance charges ..	..	..	5,51,455	33,896	1,93,482	3,21,861	2,980	..	..	..	5,52,219
Ordinary works ..	..	..	7,95,128	1,76,372	4,65,494	1,35,815	12,021	616	..	..	7,90,318
Tank Restoration works ..	..	..	6,25,256	..	5,08,163	1,08,978	7,524	..	..	..	6,24,665
(b) In charge of Revenue Department—											
Executed by Public Works officers ..	..	..	74,440	13,949	26,082	7,817	513	..	..	..	48,391
In charge of Civil officers acting as Public Works Disbursers ..	..	..	34,213	4,990	26,843	318	..	..	..	..	32,151
Total ..	..	..	20,80,492	2,29,207	12,20,064	5,74,789	23,068	616	..	..	20,47,744
Class V, Agricultural Works ..	..	..	7,38,904	73,618	5,16,716	1,21,934	12,223	547	..	..	7,25,038
Total, Provincial ..	..	..	35,00,500	4,77,093	20,29,860	7,99,173	88,547	2,019	878	..	33,95,814

Order—No. 37 I., dated 20th January 1915.

The review of grant and outlay for the year 1913–14 submitted by the Chief Engineer for Irrigation is approved. The Government note that the results of the operations of the year were on the whole satisfactory.

2. Ordered that a copy of these proceedings be forwarded to the Government of India for information.

(True Extract.)

W. M. ELLIS, Col., R.E.,
Secretary to Government, P.W.D.
(Irrigation Branch).

To the Superintending Engineers of Circles.
" Accountant-General, Madras.
" Financial Department.
" Revenue Department.
" Board of Revenue (Revenue Settlement).

Endorsement—No. 38 I., dated 20th January 1915.

Forwarded.

(By Order.)

W. M. ELLIS, Col., R.E.,
Secretary to Government, P.W.D.
Irrigation Branch.

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O. Nos. 37–38 I., DATED 20TH JANUARY 1915.

[SUBJECT.—*Review of grant and outlay on irrigation works in the Madras Presidency for the year* 1913–14.]

Note by the Chief Engineer for Irrigation, dated 9th January 1915, *No.* 6742/14–*B*.-2.

Under Secretary—

A draft order on the review of grant and outlay during 1913–14 submitted by the Chief Engineer for Irrigation is put up for approval.

2. The expenditure compares as follows with the budget and revised estimates and the final grant :—

	LAKHS. RS.
Budget estimate ...	62·28
Revised ,,	66·24
Altered grant	66·20
Expenditure	64·84

The altered grant is almost equal to the revised estimate of the year, and the expenditure shows a lapse of Rs. 1·40 lakhs when compared with either of these, though there is an excess of Rs. 2·56 lakhs when compared with the budget estimate.

3. In August last, Honourable Member noticed the omission of an explanation for the difference of Rs. 1·21 lakhs between the revised estimate for 1913–14 (Rs. 34·80 lakhs) and the actuals (Rs. 33·59 lakhs), under the head "43", according to the Accountant-General's preliminary accounts recorded in G.O. No. 461, Financial, dated 6th July 1914. The actuals according to final accounts being Rs. 33·96 lakhs, the above difference is now reduced to Rs. 0·84 lakh. Of this, the Civil Officers acting as Public Works disbursers are responsible for a lapse of Rs. 0·28 lakh. The Public Works Department is, therefore, responsible for a lapse of only 0·56 lakh which is very small when compared with the total grant.

4. When compared with the budget estimate of the year, the expenditure shows an excess of Rs. 2·56 lakhs. The excess mainly occurred under the heads "42" and "43". The reasons for this are explained in paragraphs 6 and 7 of the Chief Engineer's note.

5. The results of the operations during the year may be said to be quite satisfactory on the whole.

6. Submitted that the draft order may be sent to Financial for acceptance.

T.S.R.—9–1–15.
M.S.V.—9–1–15.

F. E. MORGAN—9–1–15.

To the Financial Department u.o.

FINANCIAL DEPARTMENT.

Submitted that the draft may be accepted.

V G.K.—14–1–15.

Chief Secretary—

B. L. A. Laville—14–1–15.
A. Butterworth—14–1–15.

To the Public Works Department (Irrigation) u.o.

Public Works Department
(Irrigation Branch).

Under Secretary—
Joint Secretary—

The draft may be circulated to the Honourable Member

T.S.R.—15–1–15.
M.S.V.—15–1–15.

F.E.M.—15–1–15.

Honourable Member—

W. M. Ellis—15–1–15.

Some of the lapses suggest want of sufficient care in budgeting but the amount of expenditure was on the whole satisfactory and I accept the draft.

H. A. S[tuart]—17–1–15.

Under Secretary—

The draft order may now issue.

T.S.R.—19–1–15.

W.M.E.—19–1–15.

[Issued as G.O. Nos. 37–38 I., dated 20th January 1915.]

Public Works Department
Irrigation Branch.

p1C+ Office Note to the Acct. Genl. No.6742/14.B-1 dated 3-11-14
p2C+ Do. from do. No. W.15-17309 dated 17-11-14.

Note by the Chief Engineer for Irrgn.
No. 6742/14 B-2 dated 9.1.15

x not immediately available

With reference to G.O. No. 141 W., dated 13-1-83 the accompanying two statements which compare the expenditure incurred on Irrigation, Navigation and Agricultural works during 1913-14 with the budget grant for the year are submitted to Government.

pp 10-21 infra

2. Statement A exhibits, by divisions, the grants for, and expenditure on, original works and repairs under the several heads and statement B the total grants and expenditure including establishment, tools and plant &c., charges for each system under classes I & II and for other classes of irrigation works. The figures representing expenditure have been furnished by the Accountant General.

pp 10-13 infra

pp 14-21 infra

3. The total expenditure during the year under review compares with the grants as shown in the subjoined statement.

Fund head.	Grant for 1913-14 Budget.	Grant for 1913-14 Final.	Expenditure during 1913-14.	Difference between budget grant & expenditure
	Rs.	Rs.	Rs.	Rs.
Imperial.				
35. Construction of protective Irrigation works	500000	354000	350032	-149968
49. Capital expenditure not charged to Rev.	420000	376000	360533	- 59467
Divided Head				
42. Major works (Working expenses)	2114000	2390000	2377656	+ 263656
43. Minor works and Navigation	3194000	3500500	3395814	+ 201814
Total	6228000	6620500	6484035	+ 256035
Deduct- Class IV.(b). 2-Minor Works of Rev. Dept. in charge of Civil officers acting as P.W. Disbursers	65000	34213	32151	- 32849
Net total	[illegible]	[illegible]	[illegible]	[illegible]

4/ 2 410

It will thus be seen that the total budget grant allotted under all the major heads amounted to Rs. 62,28,000. Excludi the allotment made for works in charge of Civil officers acting as P.W. Disbursers the net amount sanctioned for expenditure by the P.W.D. is Rs. 61,63,000 against which the expenditure incurred was Rs. 64,51,884 which is Rs. 2,88,884 more than the budget grant. There were savings unde the heads "35" and "49" which were more than counterbalanced by the excess expenditure under "42" and "43".

Vide statement on p 3 ante.

4. 35 - Construction of Protective Irrigation works. The total expenditure under this head amounted to Rs. 3,50,032 against the budget allotment of Rs.5,00,00 The lapse of Rs. 1,49,968 occurred as follows :--

Vide statement on p 3 ante

	Difference.
Rushikulya	+ 7,568
Mopad	- 1,54,890
Bhavanasi	+ 2,740
Venkatapuram	- 6,748
Accounts not kept	+ 1,362
Total ..	- 1,49,968

Flag H Go No 557-I.. d/ 20.9.13.

The excess under the Rushikulya system ~~was~~ is due to the expenditure incurred on the construction of a new drop wall and apron below Padwa weir of Surada reservoir which was not anticipated when the budget was prepared. The short expenditure under the Mopad project ~~was~~ is attributed to the ~~later~~ late formation of the Division, late arrival of the plant and machinery and want of efficient contractors. Owing to the sudden death of the contractor of the Venkatapuram project the progress of work was interfered ~~with~~ necessitating the lapse. The other

Vide item 1 of statement with GO No 475-I

Flag L d/ 4.12.13

Flag C Go No 411-I d/ 16.7.13

4

items being very small need no explanation.

5. "49. Capital expenditure not charged to Revenue". The lapse of Rs. 59,467 under this head is made up as follows :--

Nagavalli river system	— 32694
Godavari delta system	— 73106
Penner river canals system	+ 22515
Shatiatope anicut system	+ 23534
Cauvery delta system	— 19175
Toludur project	+ 28926
Small variations under other systems	— 9467
Total	— 59467

flag Q GO No 118 I.D. 5.3.14. (item 3 of Annexure) ✓

flag J GO R No 408 I.D. 22.10.13

flag M GO R No 488 I.D. 11.12.13

The lapse under the Nagavalli project is chiefly due to want of labour and difficulty in procuring piece workers, carts &c., It is also due to some extent to credits received on account of tramway lines transferred to other works. The short outlay under the Godavari delta system is chiefly accounted for by the fact that the work "Reconstructing Vireshwaram lock" budgetted under this head was sanctioned under "42". The other contributing causes are want of efficient contractors, credit received by the sale of materials and poor progress made on the work "construction of a steam launch to replace steamer Shamrock". No grant was allotted in the budget for the Penner river canals system and Shatiatope anicut system. But in the course of the year an expenditure of Rs. 22,515 was found unavoidably necessary under the former system to pay compensation for the land liable to submersion in the bed of the Kanigiri reservoir. The expenditure under the Shatiatope anicut system was for finishing certain incomplete works commenced in the previous year. The short outlay under the

Vide Statement B with GO No 486 I.D. 25.[illegible].13 flag D

flag J GO R No 408 I.D. 22.10.13

flag Q GO No 118 I.D. 5.3.14

flag G GO No 514 I.D. 2.9.13

Vide items 6 & 7 of Statement A with GO No 486 I.D. 25.8.13 flag D

Cauveri delta system is mainly due to land required for improvements to the Vellapalem Uppanar and Mannriar not having been acquired and handed over in time. The sanction to the Toludur project which was not included in the budget was received during the year and work commenced with an expenditure of Rs. 28,926.

6. "42 Major works (working expenses)".

The expenditure exceeded the grant by Rs. 2,63,656 the excess occurring as follows

Rushikulya system	+26,471
Godavari delta system	+59,801
Kistna delta system	+89,696
Divi Pumping System	- 13,611
Kurnool Cuddapah canal	- 25,332
Cheyar anicut system	+32,748
Shatiatope — do —	+11,915
Periyar System	+37,813
Small variations under other systems	+44,155
Total	2,63,656

The excess under Rushikulya system is due to special repairs executed to the Rushikulya and Mahanadi canals on account of flood damages. The excess under the Godavari delta system is due to the work "Reconstructing the Vizeshvaram lock budgetted under '49' having since been sanctioned under this head and to the piping of channels. Under the Kistna delta system larger expenditure was incurred than was anticipated owing to the renewal of certain lock gates and to the fact that on account of the favourable character of the season a good deal of repair work was found possible. The surrender under the Divi Pumping System is chiefly due to the cost of the running of the pumping station having been less than was anticipated. The estimate for this can only be an approximate

Vide item 48 of statement with G.O. No. 1183 d. 5.3.14. flag Q

G.O. No. 3402 d. 13.6.13 flag B

G.O. No. 23 d. 10.1.14. flag O

and to certain works carried out with reference to the recommendation of the E.D.

G.O. No. 505 d. 28.8.13. flag E

Vide item 3 of app. to G.O. No. 505 d. 28.8.13. flag E

G.O. No. 23 d. 10.1.14
G.O. No. 99 d. 20.2.14.
G.O. No. 505 d. 28.8.13
flag E

Vide p 9 of C.f in the file of G.O. No. 23 d. 10.1.14.
flag O

8 6

forecast as it is impossible to foretell the climatic conditions and the flood levels of the river. The short outlay under the Kurnool Cuddapah canal is reported to be due to ~~what~~ want of labour, abandonment of certain works originally proposed and to estimates for certain works not having been sanctioned in time. The excess over grant under the Cheyar and Shatiatope anicut systems is due to closing breaches caused by the heavy rains of the year. The payment made to the Travancore Darbar to compensate for the expenditure incurred by them on the clearance and demarcation of the Periyar catchment area and the write back of expenditure ordered in G.O. No. 124-I, dated 24th February 1913 caused an excess under the Periyar system. These could not have been foreseen sufficiently early.

7. 43 Minor works and Navigation.

Excluding class IV (b) minor works, Revenue Department in charge of Civil Officers acting as P.W. Disbursers, the expenditure under the head amounted to Rs. 33,63,663 against the grant of Rs. 31,29,000. There was thus an excess of Rs. 2,34,663 which occurred as follows :--

	Budget estimate.	Expenditure.	Difference.
	Rs.	Rs.	Rs.
43 Minor Works & Navigation.			
Accounts kept.			
Class II.			
Capital	3,13,000	2,43,200	- 69,800
Revenue	2,73,000	3,79,832	1,06,832
Accounts not kept.			
Classes III & IV excluding T.R.S. and Rev. Dept. works in charge of Civil officers acting as P.W. Disbursers.	14,49,000	13,90,928	- 58,072
T.R.S. Works	5,92,000	6,24,665	32,665
Class V.	5,02,000	7,25,038	2,23,038
	31,29,000	33,63,663	2,34,663

The lapse of Rs. 69,800 under the Capita[l] accounts is made up as follows :--

	Rs
Kurnool Cuddapah Canal	— 9115
Siddapur tank	21336
Yellanur tank	— 7637
Panjapatti reservoir project	— 83970
Small variations	9586
Total.	69800

In the Kurnool Cuddapah canal the estimat[e] for improvements to the approach to the calingul[a] at 61 miles 13 chains for which the grant was intended was under revision and the work could not be started. The excess under t[he] Siddapur project was due to the payment [of] a portion of the machinery supplied by th[e] India office which could not ~~have~~ been paid in the previous year as anticipated. The saving under the Yellanur Tank is due to the credit given for the realisations by the leasing of the tank bed land. The large saving on the Panjapatti Reservoir project was due to delay in the adjustmen[t] of land compensation charges a large portion of the land being unsurveyed Zaminda[ri]. The excess expenditure under the Rev. Acc[ount] was chiefly caused by repairs to flood damages in the following systems :--

Kalingarayan channel system
Palar anicut system
Ponnalur Tank
Chembrambakkam Tank
Pelandorai anicut system
Buckingham canal
Marudur anicut system
~~[illegible]~~

The ~~[illegible]~~ lapse of Rs. 58,072 under classe[s] III & IV works was due to scarcity of labour, and ~~presence~~ of water in tanks. The expenditure on T.R.S. works was ~~[illegible]~~ satisfactory. Under class V Agricultural there was an excess of Rs.2,23,038 which

Flag N
G.O.R. No 1 [illegible] 2.1.14
Flag F G.O.R. No 507 [illegible] 1.9.13
G.O.R. No 363 [illegible] 26.9.13.
Flag I
Flag I
[illegible] G.O.R. No 363 [illegible] 26.9.13.
Vide portion marked A in blue chalk on p7 Notes in the file of G.O. No 278 [illegible] 16.5.13.
Flag A
Unusual amount of

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was principally due to the execution of uprooting works found necessary for the Godavari Conservancy operations, and repairing flood damages in the Godavari and Coleroon rivers.

Mau 9-1-15

9/1/15

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To The Secy. to Govt. P.W.D. (I)

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Sect. II—10 (a)—7,000—4-13.

(1-2) P.W. DEPARTMENT

Grant & outlay on irrigation works. Reviewing the — for the year 1913-14 and directing that a copy of the Proc be forwarded to the G.G. I. for information.

READ AGAIN G.O. No. ...., dated ....191 .

" " " " ...., " ....191 .

READ ALSO:—

C. No. , From the Chief Engr for Irrign No. 6742/14 B/2 dated 9. 1. 191

Mr 3-21 CF

ORDER.
Press.

No. 37-9, dated 20 1 1915

The review of grant and outlay for the year 1913-14 submitted by the Chief Engineer for Irrigation is approved. The Government note ~~with pleasure~~ that the results of the operations of the year were on the whole satisfactory.

2. Ordered that a copy of these proceedings be forwarded to the Govt. of India for information.

To

S.Es. of circles.
Acct. Genl. Madras,
Financial Dept.
Revenue Dept.
Board of Rev. (Sett.)

Spare copies & 80 copies dept 24/2

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